

**BARRIER LAYER FOR AN ARTICLE AND METHOD OF MAKING SAID
BARRIER LAYER BY EXPANDING THERMAL PLASMA**

ABSTRACT OF DISCLOSURE

An article comprising a substrate having a barrier layer. The barrier layer is disposed on the surface of the substrate and resistant to transmission of moisture and oxygen. Methods of depositing such a barrier layer on the substrate are also disclosed. The article may include additional layers, such as, but not limited to, an adhesion layer, abrasion resistant layers, radiation-absorbing layers, radiation-reflective layers, and conductive layers. Such articles include, but are not limited to, light emitting diodes (LEDs), liquid crystal displays (LCDs), photovoltaic articles, electrochromic articles, and organic electroluminescent devices (OELDs).